

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/752,505

Source: \_\_\_\_\_

Date Processed by STIC: \_\_\_\_\_

***ENTERED***



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/752,505

DATE: 03/09/2005

TIME: 09:53:46

Input Set : N:\Crf3\RULE60\10752505.raw.txt  
 Output Set: N:\CRF4\03092005\J752505.raw

1 <110> APPLICANT: Shubata, Kenji  
 2 Yamasaki, Motoo  
 3 Yoshida, Tetsuo  
 4 Mizukami, Tamio  
 5 <120> TITLE OF INVENTION: E2F Activity-Inhibiting Compound  
 6 <130> FILE REFERENCE: 766.29  
 7 <140> CURRENT APPLICATION NUMBER: US/10/752,505  
 8 <141> CURRENT FILING DATE: 2004-01-08  
 9 <150> PRIOR APPLICATION NUMBER: US/09/269,576  
 10 <151> PRIOR FILING DATE: 1999-03-30  
 11 <150> PRIOR APPLICATION NUMBER: PCT/JP97/03442  
 12 <151> PRIOR FILING DATE: 1997-09-26  
 13 <150> PRIOR APPLICATION NUMBER: JP 259432/1996  
 14 <151> PRIOR FILING DATE: 1996-09-30  
 15 <160> NUMBER OF SEQ ID NOS: 27  
 16 <170> SOFTWARE: WordPerfect 8  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 29  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: Synthetic  
 24 <220> FEATURE:  
 W--> 25 <221> NAME/KEY: Modified-site  
 26 <222> LOCATION: 1  
 27 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-leucine  
 28 <220> FEATURE:  
 W--> 29 <221> NAME/KEY: Modified-site  
 30 <222> LOCATION: 29  
 31 <223> OTHER INFORMATION: Xaa at position 29 representing L-alaninamide  
 32 <400> SEQUENCE: 1  
 W--> 33 Xaa Asn Trp Ala Ala Glu Val Leu Lys Val Gln Lys Arg Arg Ile Tyr  
 34 1 5 10 15  
 35 Asp Ile Thr Asn Val Leu Glu Gly Ile Gln Leu Ile Xaa  
 36 20 25  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 15  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Artificial Sequence  
 42 <220> FEATURE:  
 43 <223> OTHER INFORMATION: Synthetic  
 44 <220> FEATURE:  
 W--> 45 <221> NAME/KEY: Modified-site

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46 <222> LOCATION: 1
47 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-valine
48 <220> FEATURE:
W--> 49 <221> NAME/KEY: Modified-site
50 <222> LOCATION: 15
51 <223> OTHER INFORMATION: Xaa at position 15 representing L-valinamide
52 <400> SEQUENCE: 2
W--> 53     Xaa Leu Lys Val Gln Lys Arg Arg Ile Tyr Asp Ile Thr Asn Xaa
54     1             5                 10                15
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 28
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Synthetic
62 <220> FEATURE:
W--> 63 <221> NAME/KEY: Modified-site
64 <222> LOCATION: 1
65 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-asparagine
66 <220> FEATURE:
W--> 67 <221> NAME/KEY: Modified-site
68 <222> LOCATION: 28
69 <223> OTHER INFORMATION: Xaa at position 28 representing L-serinamide
70 <400> SEQUENCE: 3
W--> 71     Xaa Glu Ser Ala Tyr Asp Gln Lys Asn Ile Arg Arg Arg Val Tyr Asp
72     1             5                 10                15
73     Ala Leu Asn Val Leu Met Ala Met Asn Ile Ile Xaa
74     20            25
76 <210> SEQ ID NO: 4
77 <211> LENGTH: 15
78 <212> TYPE: PRT
79 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Synthetic
82 <220> FEATURE:
W--> 83 <221> NAME/KEY: Modified-site
84 <222> LOCATION: 1
85 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-isoleucine
86 <220> FEATURE:
W--> 87 <221> NAME/KEY: Modified-site
88 <222> LOCATION: 15
89 <223> OTHER INFORMATION: Xaa at position 15 representing L-methioninamide
90 <400> SEQUENCE: 4
W--> 91     Xaa Arg Arg Arg Val Tyr Asp Ala Leu Asn Val Leu Met Ala Xaa
92     1             5                 10                15
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 35
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial Sequence

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98 <220> FEATURE:  
 99 <223> OTHER INFORMATION: Synthetic  
 100 <220> FEATURE:  
 W--> 101 <221> NAME/KEY: Modified-site  
 102 <222> LOCATION: 1  
 103 <223> OTHER INFORMATION: Xaa at position 1 representing N-acetyl-L-alanine  
 104 <220> FEATURE:  
 W--> 105 <221> NAME/KEY: Modified-site  
 106 <222> LOCATION: 35  
 107 <223> OTHER INFORMATION: Xaa at position 35 representing L-leucinamide  
 108 <400> SEQUENCE: 5  
 W--> 109       Xaa Arg Gly Arg Gly His Pro Gly Lys Gly Val Lys Ser Pro Gly  
 110            1            5                   10                   15  
 111            Glu Arg Ser Arg Tyr Glu Thr Ser Leu Asn Leu Thr Thr Lys Arg Phe  
 112            20            25                   30  
 113            Leu Glu Xaa  
 114            35  
 116 <210> SEQ ID NO: 6  
 117 <211> LENGTH: 38  
 118 <212> TYPE: DNA  
 119 <213> ORGANISM: Artificial Sequence  
 120 <220> FEATURE:  
 121 <223> OTHER INFORMATION: Primer for recovery of cDNA  
 122 <400> SEQUENCE: 6  
 123       agagagaagc ttaaagcgtc atggccttgg ccggggcc                   38  
 125 <210> SEQ ID NO: 7  
 126 <211> LENGTH: 26  
 127 <212> TYPE: DNA  
 128 <213> ORGANISM: Artificial Sequence  
 129 <220> FEATURE:  
 130 <223> OTHER INFORMATION: Primer for recovery of cDNA  
 131 <400> SEQUENCE: 7  
 132       ttctgcacct tcagcacctc ggcagc                           26  
 134 <210> SEQ ID NO: 8  
 135 <211> LENGTH: 26  
 136 <212> TYPE: DNA  
 137 <213> ORGANISM: Artificial Sequence  
 138 <220> FEATURE:  
 139 <223> OTHER INFORMATION: Primer for recovery of cDNA  
 140 <400> SEQUENCE: 8  
 141       accaagcgct tcctggagct gctgag                           26  
 143 <210> SEQ ID NO: 9  
 144 <211> LENGTH: 26  
 145 <212> TYPE: DNA  
 146 <213> ORGANISM: Artificial Sequence  
 147 <220> FEATURE:  
 148 <223> OTHER INFORMATION: Primer for recovery of cDNA  
 149 <400> SEQUENCE: 9  
 150       ggaaaccctg gtacacctcaa gccctg                           26

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Input Set : N:\Crf3\RULE60\10752505.raw.txt  
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152 <210> SEQ ID NO: 10
153 <211> LENGTH: 33
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Primer for PCR amplification
158 <400> SEQUENCE: 10
159 ccacggatcc ccagcaactca ctttgcctct cag 33
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 34
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Primer for PCR amplification
167 <400> SEQUENCE: 11
168 ctgcgaattc taccggtttc tctgcaccag gttc 34
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 25
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Oligonucleotide for gel-shift experiment
176 <400> SEQUENCE: 12
177 attaagttt cgcccccctt ctcaa 25
179 <210> SEQ ID NO: 13
180 <211> LENGTH: 25
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Oligonucleotide for gel-shift experiment
185 <400> SEQUENCE: 13
186 ttgagaaaagg ggcgcgaaact taaat 25
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 30
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Primer for cloning human cdc2 promoter
194 <400> SEQUENCE: 14
195 cttatacactc ctaaccctaa gtattagaag 30
197 <210> SEQ ID NO: 15
198 <211> LENGTH: 28
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Primer for cloning human cdc2 promoter
203 <400> SEQUENCE: 15
204 agctacaaca acgcgtcgct ctccgctc 28
206 <210> SEQ ID NO: 16

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Input Set : N:\Crf3\RULE60\10752505.raw.txt  
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207 <211> LENGTH: 22
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Fragment of reporter
212 <400> SEQUENCE: 16
213     tcgagcccg gggtaccgca tg          22
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 14
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Fragment of reporter
221 <400> SEQUENCE: 17
222     cggtaaaaaa gggc          14
224 <210> SEQ ID NO: 18
225 <211> LENGTH: 60
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Fragment of reporter
230 <400> SEQUENCE: 18
231     tcgagcttgg cgggaaactt ggcgggaaac ttggcgggaa acttggcggg 50
232     aaagtgcacg          60
234 <210> SEQ ID NO: 19
235 <211> LENGTH: 60
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Fragment of reporter
240 <400> SEQUENCE: 19
241     gtaccgtcga cttcccgcc aagtttcccg ccaagttcc cgccaaagt 50
242     cccgccaagc 60
244 <210> SEQ ID NO: 20
245 <211> LENGTH: 29
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Synthetic
250 <220> FEATURE:
W--> 251 <221> NAME/KEY: Modified-site
252 <222> LOCATION: 1
253 <223> OTHER INFORMATION: Xaa at position 1 representing N-lauroyl-L-leucine
254 <220> FEATURE:
W--> 255 <221> NAME/KEY: Modified-site
256 <222> LOCATION: 29
257 <223> OTHER INFORMATION: Xaa at position 29 representing L-alaninamide
258 <400> SEQUENCE: 20
W--> 259     Xaa Asn Trp Ala Ala Glu Val Leu Lys Val Gln Lys Arg Arg Ile Tyr

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/09/2005  
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Input Set : N:\CrF3\RULE60\10752505.raw.txt  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,29  
Seq#:2; Xaa Pos. 1,15  
Seq#:3; Xaa Pos. 1,28  
Seq#:4; Xaa Pos. 1,15  
Seq#:5; Xaa Pos. 1,35  
Seq#:20; Xaa Pos. 1,29  
Seq#:21; Xaa Pos. 1,28  
Seq#:25; Xaa Pos. 1,2,3,5,6,7,8,9,26,27,28,29  
Seq#:26; Xaa Pos. 1,2,3,5,6,9,25,27  
Seq#:27; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22  
Seq#:27; Xaa Pos. 23,24,25,27,28,29,32,34,36,37,39,40

### Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:25; Line(s) 327,331,359  
Seq#:26; Line(s) 379  
Seq#:27; Line(s) 427,440,532

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Input Set : N:\Crf3\RULE60\10752505.raw.txt  
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L:25 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
 L:29 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
 L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
 M:341 Repeated in SeqNo=1  
 L:45 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
 L:49 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
 L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
 L:63 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3  
 L:67 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3  
 L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
 M:341 Repeated in SeqNo=3  
 L:83 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
 L:87 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
 L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
 L:101 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5  
 L:105 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5  
 L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
 M:341 Repeated in SeqNo=5  
 L:251 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
 L:255 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
 L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
 M:341 Repeated in SeqNo=20  
 L:271 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21  
 L:275 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21  
 L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
 M:341 Repeated in SeqNo=21  
 L:325 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:329 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:333 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:337 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:341 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:345 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:349 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:353 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:357 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:361 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
 L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
 M:341 Repeated in SeqNo=25  
 L:377 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:381 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:385 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:389 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:393 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:397 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:401 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:405 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:409 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
 L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0

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Input Set : N:\Crf3\RULE60\10752505.raw.txt  
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M:341 Repeated in SeqNo=26

L:425 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:430 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:434 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:438 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:442 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:446 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:450 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:454 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:458 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:462 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:466 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:470 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:474 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:478 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:482 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:486 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:490 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
M:341 Repeated in SeqNo=27